

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072623AL\
 Data File : FE043538.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jul 2023 01:01
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/27/2023
 Supervised By :Ankita Jodhani 07/27/2023

Integration File: autoint1.e
 Quant Time: Jul 27 02:46:07 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071323.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 13 03:02:53 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.885	3603428	20.123 ug/ml
Spiked Amount 50.000		Recovery =	40.25%
12) S 1-chlorooctadecane (S...	13.321	2666944	20.297 ug/ml
Spiked Amount 50.000		Recovery =	40.59%
Target Compounds			
1) T n-Nonane (C9)	3.263	2975327	19.487 ug/ml
2) T n-Decane (C10)	4.517	3093010	19.840 ug/ml
3) T A~Naphthalene (C11.7)	6.228	3176189	19.738 ug/ml
4) T n-Dodecane (C12)	6.687	3123658	19.823 ug/ml
5) T A~2-methylnaphthalene...	7.325	3015664	19.874 ug/ml
6) T n-Tetradecane (C14)	8.516	3115043	19.694 ug/ml
7) T n-Hexadecane (C16)	10.123	3235408	19.992 ug/ml
8) T n-Octadecane (C18)	11.566	3267851	20.046 ug/ml
10) T n-Eicosane (C20)	12.876	3131425	20.155 ug/ml
11) T n-Heneicosane (C21)	13.487	3054940	20.164 ug/ml
13) T n-Docosane (C22)	14.073	3017327	20.190 ug/ml
14) T n-Tetracosane (C24)	15.177	2974540	20.254 ug/ml
15) T n-Hexacosane (C26)	16.197	2908615	20.422 ug/ml
16) T n-Octacosane (C28)	17.147	2903126	20.633 ug/ml
17) T n-Tricontane (C30)	18.035	3084040	20.935 ug/ml
18) T n-Dotriacontane (C32)	18.867	3140937	21.197 ug/ml
19) T n-Tetratriacontane (C34)	19.650	3020419	20.928 ug/mlm
20) T n-Hexatriacontane (C36)	20.391	2863734	19.484 ug/ml
21) T n-Octatriacontane (C38)	21.127	2868964	20.112 ug/ml
22) T n-Tetracontane (C40)	22.032	3312249	22.443 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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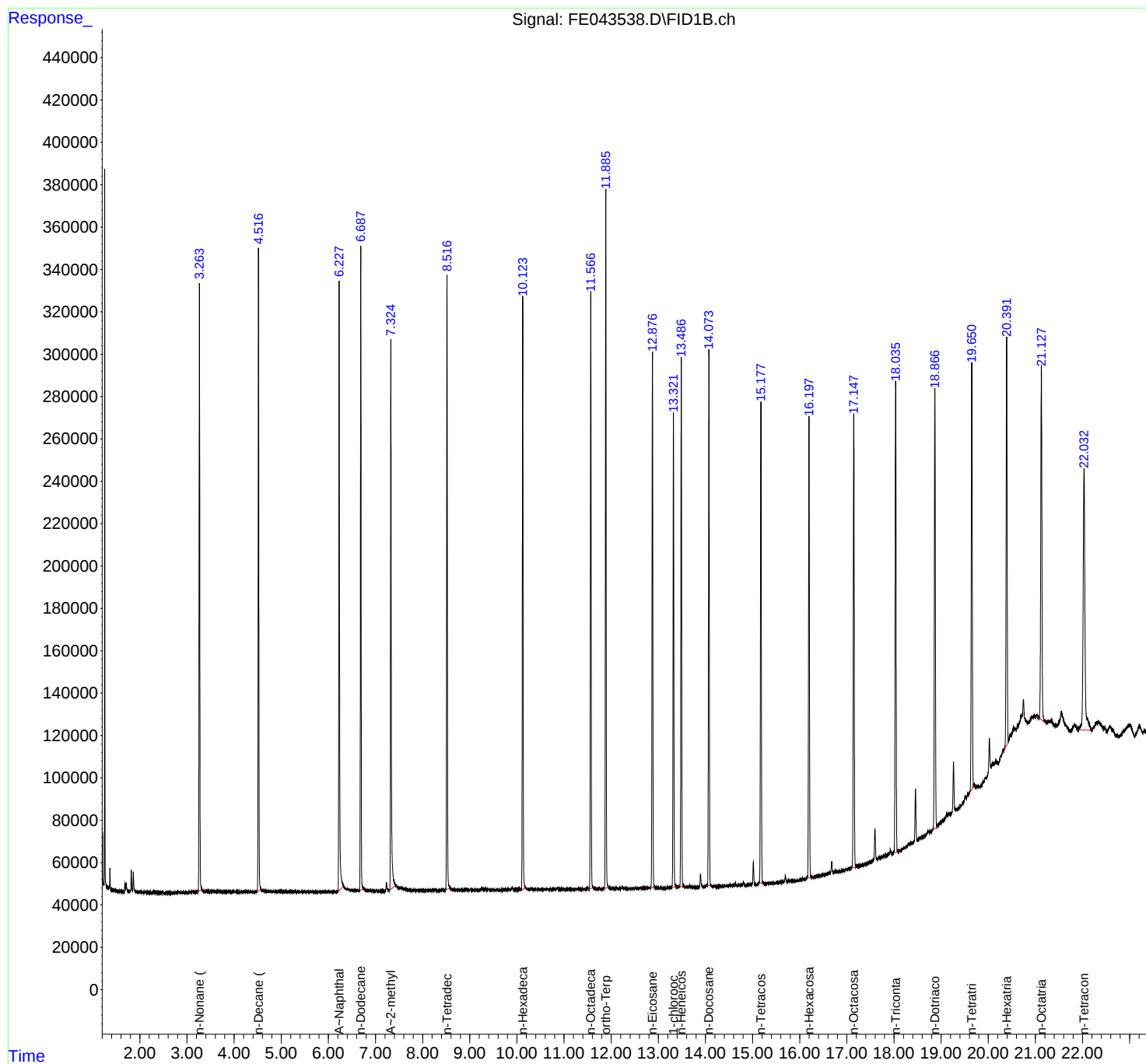
Instrument :
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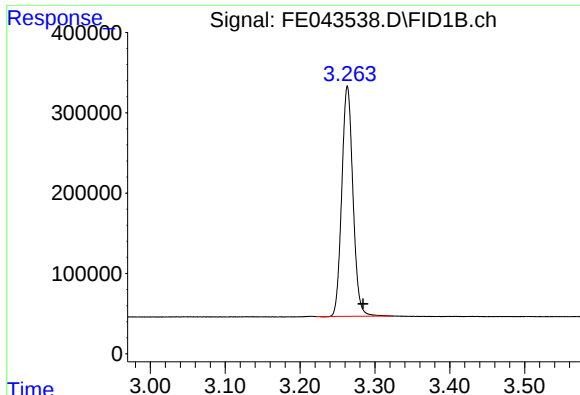
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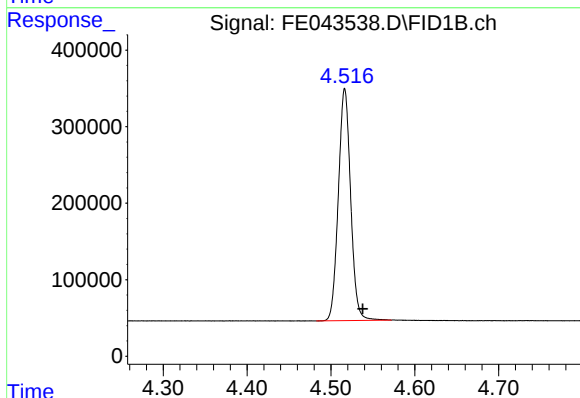
#1 n-Nonane (C9)

R.T.: 3.263 min
Delta R.T.: -0.021 min
Response: 2975327
Conc: 19.49 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

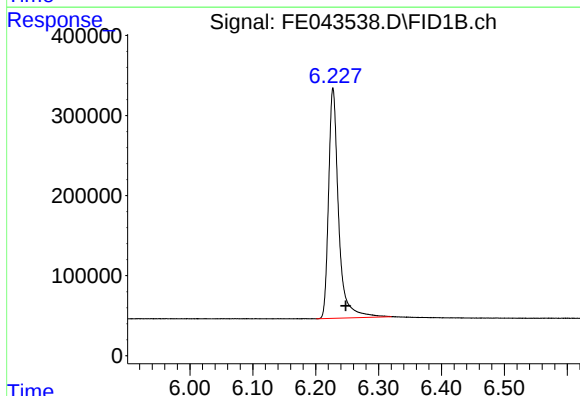
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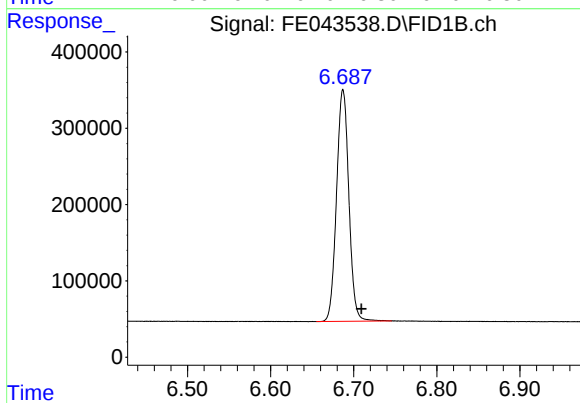
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: -0.021 min
Response: 3093010
Conc: 19.84 ug/ml



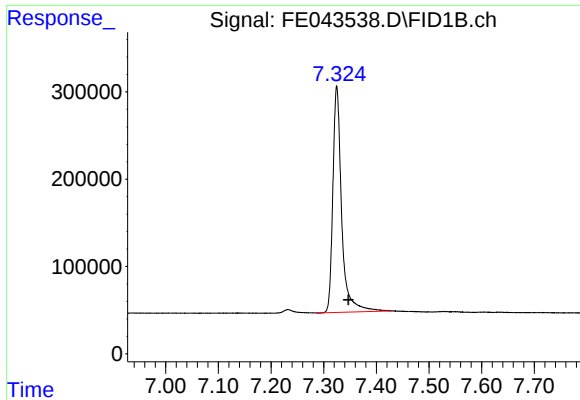
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: -0.020 min
Response: 3176189
Conc: 19.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.687 min
Delta R.T.: -0.022 min
Response: 3123658
Conc: 19.82 ug/ml



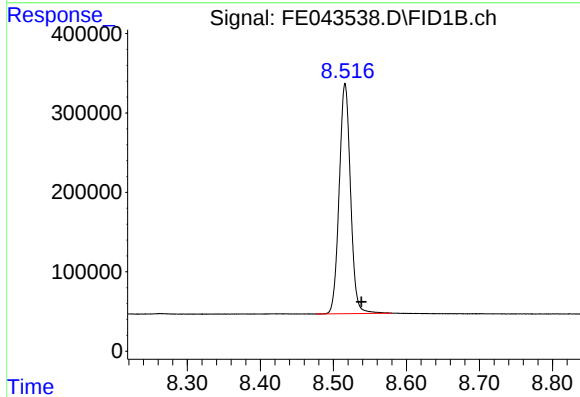
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.325 min
Delta R.T.: -0.022 min
Response: 3015664
Conc: 19.87 ug/ml

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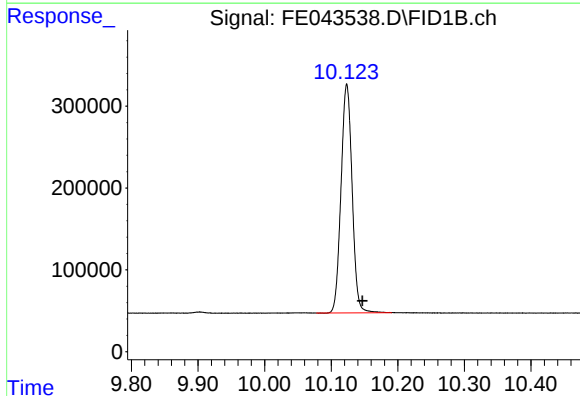
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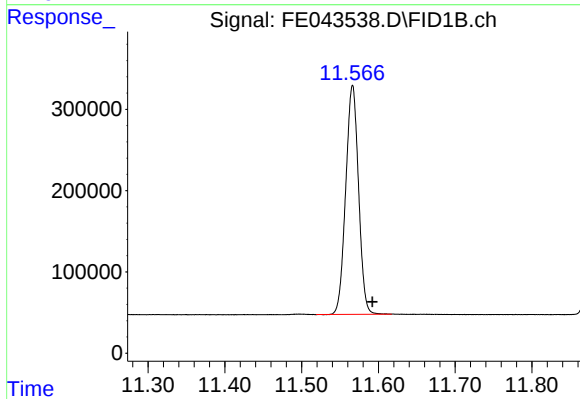
#6 n-Tetradecane (C14)

R.T.: 8.516 min
Delta R.T.: -0.022 min
Response: 3115043
Conc: 19.69 ug/ml



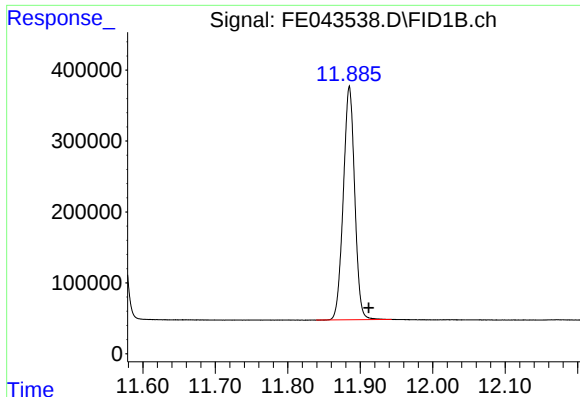
#7 n-Hexadecane (C16)

R.T.: 10.123 min
Delta R.T.: -0.023 min
Response: 3235408
Conc: 19.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.566 min
Delta R.T.: -0.026 min
Response: 3267851
Conc: 20.05 ug/ml



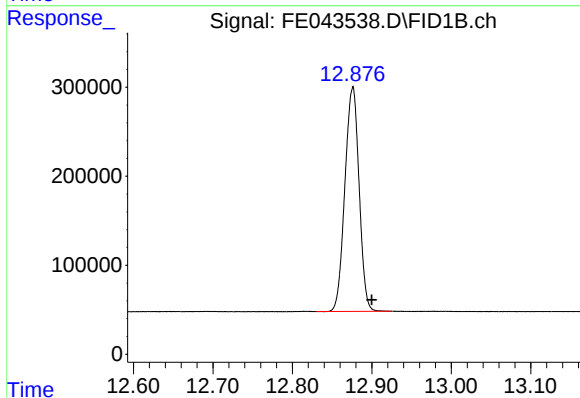
#9 ortho-Terphenyl (SURR)

R.T.: 11.885 min
Delta R.T.: -0.026 min
Response: 3603428
Conc: 20.12 ug/ml

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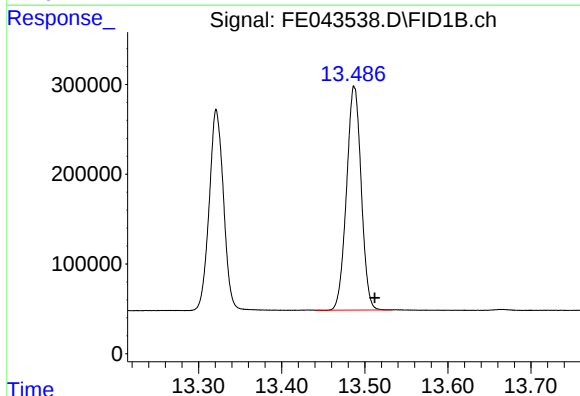
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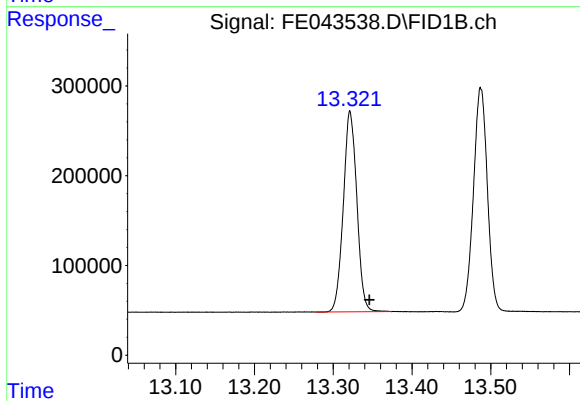
#10 n-Eicosane (C20)

R.T.: 12.876 min
Delta R.T.: -0.024 min
Response: 3131425
Conc: 20.15 ug/ml



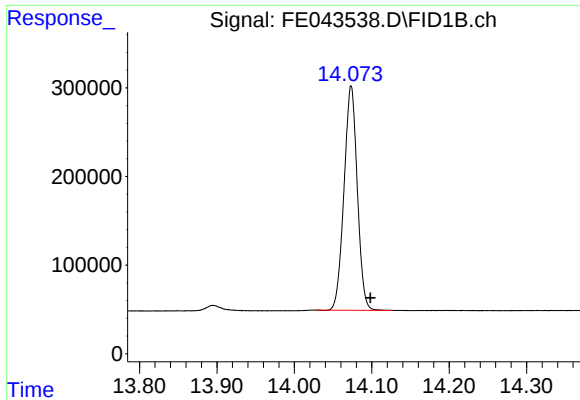
#11 n-Heneicosane (C21)

R.T.: 13.487 min
Delta R.T.: -0.025 min
Response: 3054940
Conc: 20.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.321 min
Delta R.T.: -0.025 min
Response: 2666944
Conc: 20.30 ug/ml



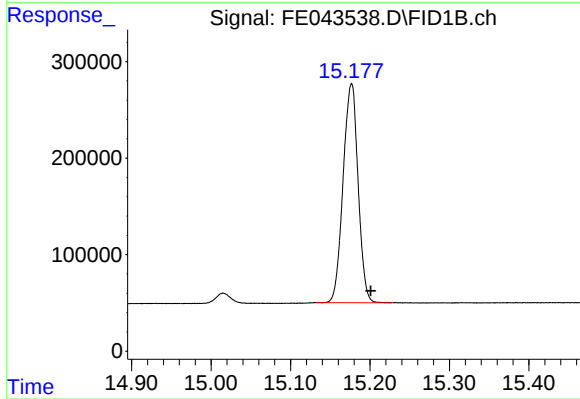
#13 n-Docosane (C22)

R.T.: 14.073 min
Delta R.T.: -0.025 min
Response: 3017327
Conc: 20.19 ug/ml

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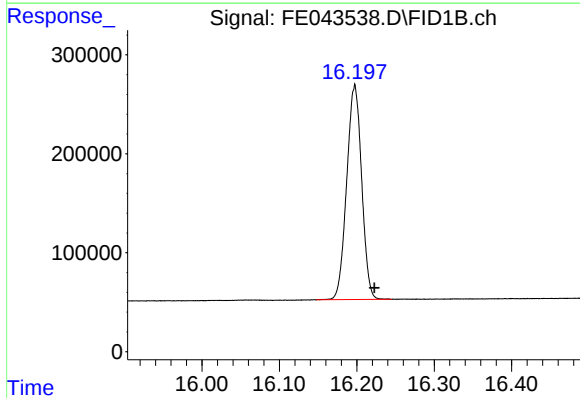
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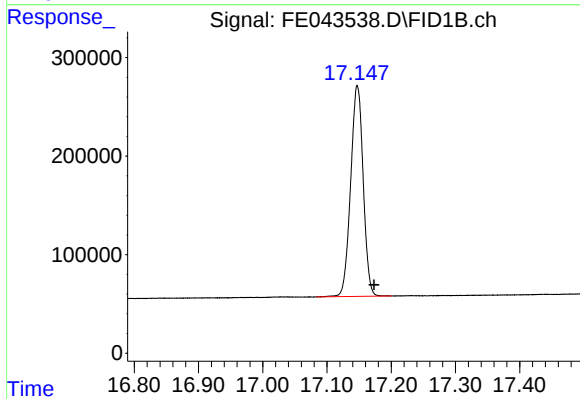
#14 n-Tetracosane (C24)

R.T.: 15.177 min
Delta R.T.: -0.024 min
Response: 2974540
Conc: 20.25 ug/ml



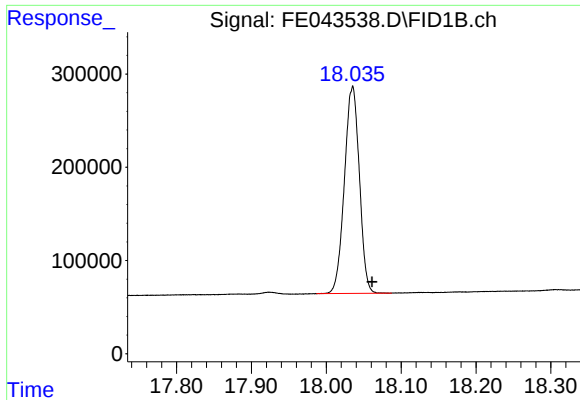
#15 n-Hexacosane (C26)

R.T.: 16.197 min
Delta R.T.: -0.025 min
Response: 2908615
Conc: 20.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.147 min
Delta R.T.: -0.026 min
Response: 2903126
Conc: 20.63 ug/ml



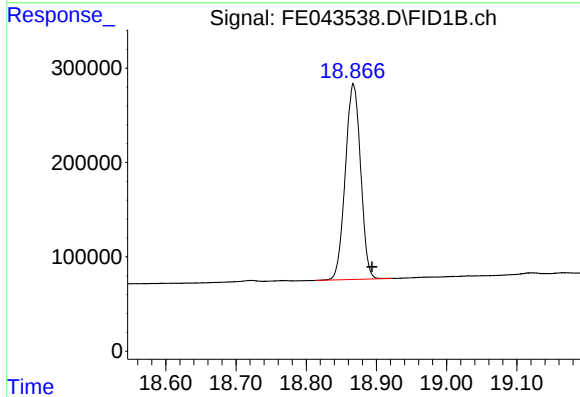
#17 n-Tricontane (C30)

R.T.: 18.035 min
Delta R.T.: -0.026 min
Response: 3084040
Conc: 20.94 ug/ml

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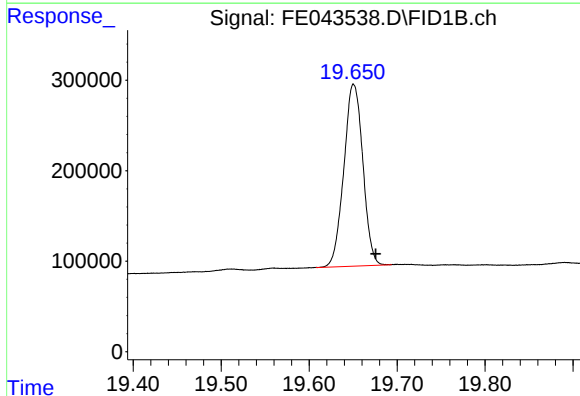
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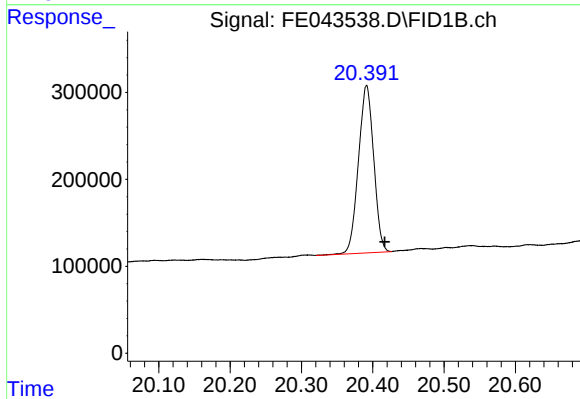
#18 n-Dotriacontane (C32)

R.T.: 18.867 min
Delta R.T.: -0.026 min
Response: 3140937
Conc: 21.20 ug/ml



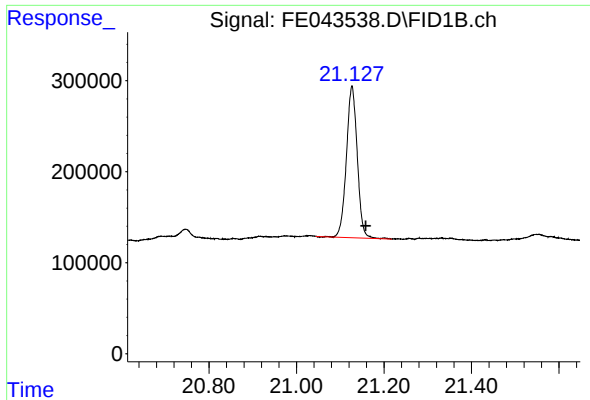
#19 n-Tetratriacontane (C34)

R.T.: 19.650 min
Delta R.T.: -0.026 min
Response: 3020419
Conc: 20.93 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.391 min
Delta R.T.: -0.025 min
Response: 2863734
Conc: 19.48 ug/ml



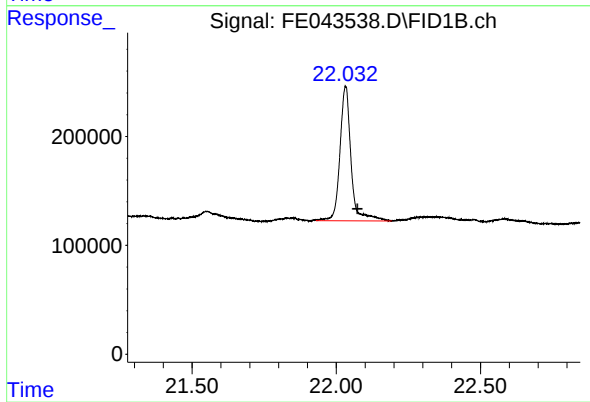
#21 n-Octatriacontane (C38)

R.T.: 21.127 min
Delta R.T.: -0.031 min
Response: 2868964
Conc: 20.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.032 min
Delta R.T.: -0.042 min
Response: 3312249
Conc: 22.44 ug/ml